

IN THE CLAIMS:

Claim 1 (currently amended) A cooled discharge unit comprising

a discharge pipe,

a ~~cooling~~ cooled jacket having a U-shaped form in cross section and disposed on said discharge pipe,

a lid covering said ~~cooling~~ cooled jacket and said discharge pipe,

a lug in the form of a truncated cone made in said lid from ~~the~~ a side facing the discharge pipe,

a through cylindrical aperture made in said lug, a longitudinal axis of which ~~coinciding~~ concides with a longitudinal axis of said discharge pipe,

a group of apertures made in said lid and serving to remove a coolant from said ~~cooling~~ cooled jacket,

a collector for feeding the coolant into the jacket and positioned on said jacket from ~~the~~ a side opposite said lid,

a group of apertures made in said collector for supplying the coolant to said ~~cooling~~ cooled jacket,

a discharge gate comprising a ~~pipe, on tube having at one end of which,~~ facing said lug, ~~is positioned~~ a cone-shaped tip, and having at another ~~on the other~~ end a lid with an aperture, adjacent to which is ~~positioned~~ a branch pipe for discharge of the coolant, and

a supply pipe for supplying the coolant positioned coaxially with said ~~pipe~~ tube of the discharge gate in said aperture of the lid, with one end of which of the

supply pipe being positioned adjacent the cone-shaped tip, and another end protruding outside of said lid.

Claim 2 (currently amended) A cooled discharge unit of claim 1, wherein the cone-shaped tip is made of one piece and ~~consists of~~ comprises

a first truncated cone having a large base and a smaller base and being rigidly secured by the large base to said ~~pipe~~ tube of the discharge gate,

a second truncated cone having a large base and a smaller base, wherein the large base of said second truncated cone is the smaller base of said first truncated cone, and

a third cone having a base which is the smaller base of said second truncated cone.

Claim 3 (currently amended) A cooled discharge unit of claim 2, wherein said first truncated cone and said second truncated cone are ~~made~~ hollow.

Claim 4 (original) A cooled discharge unit of claim 1, wherein the longitudinal axis of said discharge pipe is shifted toward a round portion of said U-shaped jacket.

Claims 5-11 (canceled).

Claim 12 (new). A discharge unit of claim 2, wherein the cone-shaped tip consists of the first truncated cone, the second truncated cone and the third cone.

Claim 13 (new). A discharge unit of claim 12, wherein the first truncated cone and second truncated cone are hollow.